

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	2	("6519717").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 18:12
S5	2	("6038684").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 18:14
S4	2	("5799022").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/05 18:14
S6	2	("5993055").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 13:26
S8	5	((("5440688") or ("5479611") or ("5748883") or ("6148419") or ("6173422"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:27
S7	13	((("5494136") or ("3575589") or ("4617661") or ("6269460") or ("3786430") or ("4598356") or ("5007056") or ("3818199") or ("4497057") or ("6128017") or ("5299207") or ("5748880") or ("6000045"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:27
S9	8	((("4571679") or ("4713810") or ("5210757") or ("5357519") or ("5500940") or ("5561760") or ("5636203") or ("5974568"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:28
S13	7	((("5983364") or ("5984427") or ("6345322") or ("6415395") or ("6473659") or ("6480972") or ("6499114"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:29
S12	7	((("5287505") or ("5317368") or ("5596712") or ("5845272") or ("5944839") or ("6006016") or ("6041425"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:29
S11	4	((("4385384") or ("5023873") or ("6480531") or ("6484206"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:29

## EAST Search History

S10	12	((("4380067") or ("4606024") or ("4996688") or ("5157668") or ("5189674") or ("5233600") or ("5299207") or ("5448722") or ("5513341") or ("5704036") or ("5968122") or ("6208955")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:29
S15	5	((("6085132") or ("6367035") or ("6415395") or ("6473659") or ("6539499")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:30
S14	13	((("4108360") or ("5159597") or ("5287505") or ("5351247") or ("5513343") or ("5539877") or ("5561760") or ("5664093") or ("5666481") or ("5790780") or ("5944839") or ("5983364") or ("6029258")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:30
S17	8	((("20020143920") or ("20030172153") or ("20040078695") or ("20040230872") or ("5822578") or ("6594786") or ("6747957") or ("6830515")).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:43
S21	2	("5993055").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 14:22
S20	2	("6038684").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 14:22
S19	2	("5799022").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 14:22
S18	2	("6519717").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 14:22
S23	4	("2004/0078695").URPN.	USPAT	OR	OFF	2006/09/06 16:11
S24	33	("4796206"   "5455947"   "5481481"   "5619656"   "5809493").PN. OR ("5944839").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 16:33

## EAST Search History

S25	32	("5293323"   "5309448"   "5436909"   "5640505"   "5696486"   "5761502"   "5768501").PN. OR ("6000045").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 17:18
S26	27	("4481577"   "4679195"   "5047977"   "5383201"   "5404503"   "5432795"   "5450575"   "5561763"   "5598560"   "5701587"   "5712972").PN. OR ("5974568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 17:31
S27	61	("4517468"   "4644479"   "4964125"   "5018075"   "5099436"   "5123017"   "5132920"   "5133046"   "5400018"   "5431832"   "5445347"   "5448722"   "5493729").PN. OR ("5845272").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 17:34
S28	37	("3105636"   "3289176"   "3296369"   "3361875"   "3403225").PN. OR ("3575589").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 17:36
S30	51	("4847795"   "4870575"   "5060279"   "5090014"   "5099436"   "5200958"   "5210704"   "5272704"   "5305426").PN. OR ("5596712").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/06 18:29
S22	75	((S7 S8 S9 S10 S11 S12 S13 S14 S15 S17) not (S18 S19 S20 S21)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:45
S36	5286	(709/224).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:47
S35	5044	(709/223).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:47

## EAST Search History

S34	490	(714/39).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:47
S33	493	(714/37).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:47
S32	244	(714/26).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:47
S38	31	(S37 and (S32 S33 S34 S35 S36)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:49
S37	1033	((fault\$1 error\$1 alarm\$1 problem\$1 failure\$1) with (categoriz\$6 classif\$8)) same (tree\$1 hierarch\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/06 18:49
S39	1	("2003/0221005").URPN.	USPAT	OR	OFF	2006/09/06 18:50

## EAST Search History

S40	62	("4258421"   "4270174"   "4463418"   "4517468"   "4610206"   "4695946"   "4823914"   "4970725"   "4977390"   "5113489"   "5123017"   "5132920"   "5274572"   "5282127"   "5321837"   "5329465"   "5400018"   "5442553"   "5445347"   "5508941"   "5528499"   "5528516"   "5594663"   "5631832"   "5633628"   "5638296"   "5650928"   "5650930"   "5661668"   "5666534"   "5678002"   "5713075"   "5737215"   "5742915"   "5806011"   "5809161"   "5842125"   "5845272"   "5856931"   "5884073"   "5884202"   "5926745"   "5949345"   "5950147"   "5956664"   "5961567"   "5988645"   "6014612"   "6028537"   "6058307"   "6094609"   "6104988"   "6112085"   "6115653"   "6161071"   "6169943"   "6192325"   "6317701"   "6324659"   "6345257"   "6459964"   "6651034").PN. OR ("7013239").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 17:41
S41	12	("20020166082"   "20030070108"   "20040078736"   "20050015217"   "4632802"   "5067099"   "5305426"   "5369756"   "5544308"   "5566092"   "5596712"   "5926621").PN. OR ("7013411").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 17:58
S31	214	((S23 S24 S25 S26 S27 S28 S30) not (S7 S8 S9 S10 S11 S12 S13 S14 S15 S17 S18 S19 S20 S21)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 18:42
S63	51	("4847795"   "4870575"   "5060279"   "5090014"   "5099436"   "5200958"   "5210704"   "5272704"   "5305426").PN. OR ("5596712"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 18:43

## EAST Search History

S62	37	("3105636"   "3289176"   "3296369"   "3361875"   "3403225").PN. OR ("3575589").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 18:43
S61	61	("4517468"   "4644479"   "4964125"   "5018075"   "5099436"   "5123017"   "5132920"   "5133046"   "5400018"   "5431832"   "5445347"   "5448722"   "5493729").PN. OR ("5845272").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 18:43
S60	27	("4481577"   "4679195"   "5047977"   "5383201"   "5404503"   "5432795"   "5450575"   "5561763"   "5598560"   "5701587"   "5712972").PN. OR ("5974568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 18:43
S59	32	("5293323"   "5309448"   "5436909"   "5640505"   "5696486"   "5761502"   "5768501").PN. OR ("6000045").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 18:43
S58	33	("4796206"   "5455947"   "5481481"   "5619656"   "5809493").PN. OR ("5944839").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 18:43
S57	4	("2004/0078695").URPN.	USPAT	OR	OFF	2006/09/07 18:43
S56	2	("5993055").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 18:43
S55	2	("6038684").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 18:43
S54	2	("5799022").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 18:43
S53	2	("6519717").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 18:43

## EAST Search History

S52	8	((("20020143920") or ("20030172153") or ("20040078695") or ("20040230872") or ("5822578") or ("6594786") or ("6747957") or ("6830515"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S51	5	((("6085132") or ("6367035") or ("6415395") or ("6473659") or ("6539499"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S50	13	((("4108360") or ("5159597") or ("5287505") or ("5351247") or ("5513343") or ("5539877") or ("5561760") or ("5664093") or ("5666481") or ("5790780") or ("5944839") or ("5983364") or ("6029258"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S49	7	((("5983364") or ("5984427") or ("6345322") or ("6415395") or ("6473659") or ("6480972") or ("6499114"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S48	7	((("5287505") or ("5317368") or ("5596712") or ("5845272") or ("5944839") or ("6006016") or ("6041425"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S47	4	((("4385384") or ("5023873") or ("6480531") or ("6484206"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S46	12	((("4380067") or ("4606024") or ("4996688") or ("5157668") or ("5189674") or ("5233600") or ("5299207") or ("5448722") or ("5513341") or ("5704036") or ("5968122") or ("6208955"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S45	8	((("4571679") or ("4713810") or ("5210757") or ("5357519") or ("5500940") or ("5561760") or ("5636203") or ("5974568"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S44	5	((("5440688") or ("5479611") or ("5748883") or ("6148419") or ("6173422"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S43	13	((("5494136") or ("3575589") or ("4617661") or ("6269460") or ("3786430") or ("4598356") or ("5007056") or ("3818199") or ("4497057") or ("6128017") or ("5299207") or ("5748880") or ("6000045"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/07 18:43
S65	1	("2003/0221005").URPN.	USPAT	OR	OFF	2006/09/07 18:54

## EAST Search History

S66	13	("20020166082"   "20030070108"   "20040078736"   "20050015217"   "4632802"   "5067099"   "5305426"   "5369756"   "5544308"   "5566092"   "5596712"   "5926621").PN. OR ("2003/0028823"   "7013411").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:04
S67	43	("4750136"   "4942540"   "5369756"   "5448722"   "5515403"   "5590056"   "5638410"   "5661668"   "5682328"   "5726607"   "5740357"   "5748880"   "5784627"   "5850399"   "5903564"   "5905730"   "5926463"   "5953314"   "5991163"   "5991297"   "5995511"   "6006016"   "6008805"   "6008995"   "6012152"   "6015300"   "6021116"   "6021263"   "6033259"   "6041307"   "6044540"   "6078595"   "6105150"   "6134676").PN. OR ("6708291").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:07
S68	53	("4697243"   "4841456"   "4964125"   "4972453"   "4985857").PN. OR ("5127005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:17
S69	25	("4514846"   "4583834"   "4896278"   "4964125"   "5010551"   "5023817"   "5090014"   "5099436"   "5107497"   "5115177"   "5130936"   "5164912"   "5166934"   "5168147"   "5187773"   "5210704"   "5239547"   "5239637").PN. OR ("5515503").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:20
S64	65	((S40 S41) not (S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 19:23
S71	30	("4085448"   "4342084"   "4438494"   "4453213"   "4468731"   "4570261").PN. OR ("5740357").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 19:37



## EAST Search History

S70	93	((S66 S67 S68 S69) not (S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 19:43
S76	490	(714/39).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 19:47
S75	493	(714/37).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 19:47
S73	244	(714/26).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 19:47
S72	27	(S71 not (S66 S67 S68 S69 S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 19:47
S78	8	maskulinski.xa. and (risk)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 20:13
S79	12	("5951648"   "5958010"   "6006222"   "6078916"   "6192360"   "6216151"   "6347330"   "6510513"   "6542894"   "6681244").PN. OR ("2003/0097617"   "2005/0066236"   "6898737").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/07 20:35

## EAST Search History

S80	11	(S79 not (S73 S75 S76 S71 S66 S67 S68 S69 S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 21:05
S77	1016	((S73 S75 S76) not (S71 S66 S67 S68 S69 S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/07 21:05
S2	0	10/699634	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/08 18:29
L33	0	10/699634	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/08 18:29